

SCIENCE Review of Agricultural Entomology

1991 Volume 79 Annual Indexes

Continues *Review of Applied Entomology* – Series A: Agricultural

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Review of Agricultural Entomology

A monthly journal compiled from the CAB ABSTRACTS database.

Produced by the DIVISION OF CROP PROTECTION AND GENETICS in association with the
International Institute of Entomology

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DIVISION OF CROP PROTECTION AND GENETICS

Wallingford, Oxon OX10 8DE, UK

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The Department of Crop Protection also prepares: *Review of Plant Pathology, Nematological Abstracts, Weed Abstracts and Seed Pathology and Microbiology.*

How to use Review of Agricultural Entomology

● Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter – see CONTENTS page.

About half the records are arranged by CROP or other host plant, so browsing is particularly useful to crop specialists.

● Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled monthly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

INVERTEBRATE SPECIES AND GROUPS

Scientific names are used. These entries provide the most detailed indexing, pointing also to taxonomy, physiology, ecology, biology, distribution, hosts, natural enemies, control, etc. Records that refer only to groups are indexed under group names, e.g. Coleoptera, mites.

HOST PLANT SPECIES AND GROUPS

English common names are used for major crops, scientific names for minor crops and other plants. Entries point also to invertebrates or other subjects. Records that refer only to groups are indexed under group names, e.g. cereals, vegetables.

COUNTRY OR REGION

For records where geographical occurrence is of particular relevance.

AGROCHEMICALS etc

Including common or chemical names, with cross-references from proprietary names.

PATHOGENS

Scientific names are used for pathogens of invertebrates and plants. Groups such as entomogenous fungi, nuclear polyhedrosis viruses are also indexed.

HABITATS

E.g. forests, grasslands, greenhouses, orchards, pastures, soils. Entries relate particularly to beneficial organisms and environmental effects.

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

*Acaricides	Equipment	Keys	Quarantine
*Arthropod pests	*Forest pests	Migration	Rearing techniques
*Arthropods	Galls	Molecular genetics	Reports
*Beneficial	Genetics	*Parasitoids	Reviews
arthropods	*Insect pests	*Pest control	Sampling
*Beneficial insects	*Insecticides	*Pest resistance	Sex pheromones
Bibliographies	(and related terms)	*Pesticides	Stored products
Biological control	*Insects	Pheromones	Techniques
Books	Integrated control	Pollination	Traps
Conferences	Integrated pest	Pollution	*Weeds
Cultural control	management	*Predators	

*Terms used to index records that do not refer to specific arthropods, chemicals or plants.

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

- 1) Abstract No.

2) Authors

3) English translation of title

4) Title

5) Journal or other document

6) (Year) Volume (Part) pages

7) Language of text, any other language of summary

8) Address of first author

9) Abstract

10) Preferred name, if the author uses another name.
- 1

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4115 LACASA, A.; TELLO, J. C.; MARTINEZ, M. C.

[The thysanopterans associated with carnation cultivation in the south east of Spain.] Los tisanópteros asociados al cultivo del clavel en el sureste español. *Boletín de Sanidad Vegetal Plagas* (1988) 14 (1) 77-88 [Es, en, 11 ref.] Dep. Protección Vegetal, INIA, Apartado 8111, Madrid, Spain.

A survey was carried out on the pests and diseases of carnations in the south east of Spain between 1981 and 1982 and information obtained on the Thysanoptera is reported here. *Thrips tabaci* accounted for 80% of the Thysanoptera collected. This species was found throughout the year in the coastal zone. *T. angusticeps* and *T. meridionalis* [*Taeniothrips meridionalis*] appeared sporadically in the crop. Populations of thrips were highest in the spring and autumn. Flower colour did not affect the levels of damage.

The title should be read as an integral part of the abstract.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

Use the CAB International Document Delivery Service. A form is printed in this issue.

LIST OF JOURNALS CITED

The annual indexes include an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). Initial letters may be used for a virus after its full name has appeared. The following are also used:

a.i.	active ingredient	ID	infective dose	RAE	Review of Agricultural
concn	concentration(s)	IU	International unit		Entomology
d.b.h.	diameter at breast height	KT	knockdown time	RH	relative humidity
DW	dry weight	LC	lethal concentration	SEM	scanning electron
e.c.	emulsifiable concentrate	LD	lethal dose		microscope
ED	effective dose	LD 10:14	10 h light & 14 h dark	ULV	ultralow volume
ELISA	enzyme-linked	LT	lethal time	w.p.	wettable powder
	immunosorbent assay	PAGE	polyacrylamide gel		
EM	electron microscope		electrophoresis		
FW	fresh weight	PIB	polyhedral inclusion body		

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary:

Af	Afrikaans	En	English	Ja	Japanese	Pt	Portuguese
Al	Albanian	Eo	Esperanto	Ko	Korean	Ro	Romanian
Ar	Arabic	Es	Spanish	La	Latin	Ru	Russian
Az	Azerbaijani	Fi	Finnish	Li	Lithuanian	Sh	Serbo-Croat
Be	Byelorussian	Fr	French	Lv	Latvian		(either script)
	(White Russian)	Gr	Greek	Ma	Macedonian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	My	Malay and	Sn	Slovene
Ch	Chinese	Hu	Hungarian		Bahasa Malaysia	Sv	Swedish
Cs	Czech	Ia	Interlingua	Ni	Dutch, Flemish	Ta	Tajik
Da	Danish	In	Indonesian	No	Norwegian	Tr	Turkish
De	German	Is	Icelandic	Pe	Persian	Uk	Ukrainian
Ee	Estonian	It	Italian	Pl	Polish		

CAB International Division of Crop Protection and Genetics

How the crop protection abstract journals are compiled

Review of Agricultural Entomology
Review of Plant Pathology

Nematological Abstracts
Weed Abstracts

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB International; these comprise more than 50,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 150 countries, in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics and also linguists.

These specialists identify items within the scope of the four crop protection journals – broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:

- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of over 2 million records is growing by more than 150,000 new records per year, of which more than 20,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information*.

The Division of Crop Protection and Genetics is also in close contact with subject specialists in the four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB International, Wallingford, Oxon OX10 8DE, UK.

Retrieving records on crop protection from the CAB ABSTRACTS database

The CAB ABSTRACTS database gives access to all records published since 1973 in *Review of Plant Pathology*, *Review of Agricultural Entomology*, *Nematological Abstracts*, *Weed Abstracts*, *Riocontrol News and Information* and the other CAB International abstract journals.

The database provides a powerful tool for retrieving:

- records from any one of the CONTENTS headings or their subdivisions (more than 200 subdivisions are explained in *CAB ABSTRACTS Online Manual*).
- records containing, for example:
 - an author's name
 - a plant name
 - a pest name (invertebrate, plant pathogen or weed)
 - a country name
 - a vector name
 - the name of a beneficial organism
 - an agrochemical name
 - a journal name
 - any chosen word or phrase (including any index phrase)
 - any combination of these.

Retrieval can be:

- ONLINE, using a personal computer or terminal, linked to the telephone system. Output can be printed and mailed to you or, subject to certain conditions, downloaded for local processing.
- From CD-ROM. CAB ABSTRACTS data for 1984-1991 are available on CD-ROM.
- By CAB International, who can hold a profile of your interests and send you relevant records on paper or on floppy disks. This can be done once or as a regular monthly service.

Further information is available from any of the CAB International offices.

Full particulars of online hosts are given in the CAB International Information Services Catalogue, available free on request.

Three database guides of particular interest to users of the CAB ABSTRACTS database are:

- *CAB ABSTRACTS Online Manual*, 1989 Edition. A detailed guide to online retrieval.
- *CAB Thesaurus*, 1990 Edition. A hierarchical list of terms used in indexing all the 50 CAB International abstract journals and the AGRICOLA database of the National Agricultural Library of the USA.
- *CAB International Serials Checklist*, 1988. A list of all titles regularly scanned by CAB International.

INTERNATIONAL INSTITUTE OF ENTOMOLOGY

An Institute of CAB International

Main Office: 56 Queen's Gate, London SW7 5JR, UK
Telephone: (071) 584 0067 (International +44 71584 0067) Telex: 9312102251 IEG
Telegrams: ENTINFO, London SW7 Telecom Gold/Dialcom: 84: CAU006
Fax: (071) 581 1676 (International +44 71581 1676)

Taxonomic Services:

c/o The Natural History Museum, Cromwell Road,
London SW7 5BD, UK

Telephone: (071) 938 9349 (International +44 71938 9349)
Fax: (071) 938 9309 (International +44 71938 9309)

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The International Institute of Entomology (IIE) is one of four Institutes of CAB International. IIE was founded in 1913 and has provided information and other services for applied entomology since that date, especially by publication of the *Review of Applied Entomology* since 1913 and the *Bulletin of Entomological Research* since 1910.

IIE currently provides the following unique and expanding range of taxonomic services for agriculture, horticulture, forestry, food storage, land management, public health and related subjects:

Identification Services: Rapid identification of harmful and beneficial insects, mites and other arthropods.

Training Courses: Practical instruction in applied taxonomy in the UK and overseas.

Research and Development: Funded taxonomic research projects in support of identification services, reference collections, biological control, integrated pest management, plant quarantine and pest surveys.

Publications: Books, monographs, manuals and maps. Current list available on request.

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 Netherlands, Laboratorium voor Bloembollenonderzoek 10338
 Netherlands, Onderzoek- en Voorlichtingscentrum voor Land- en Tuinbouw, Provincie West-Vlaanderen 1106
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Many other serials were scanned during 1991 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSN's and publishers' addresses.

- A Nehézvegyipari Kutató Intézet Közleményei
 Abhandlungen der Zoologisch-Botanischen Gesellschaft in Österreich
 Abhandlungen und Berichte des Naturkundemuseums Görlitz, German Democratic Republic
 Abstracts on Cassava
 Acarologia
 ACIAR Monograph
 ACIAR Proceedings Series
 ACIAR Working Paper
 ACS Symposium Series
 Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
 Acta Academiae Agriculturae ac Technicae Olstenensis, Technologia Alimentorum
 Acta Agraria et Silvestria, Silvestris
 Acta Agriculturae Scandinavica
 Acta Agriculturae Nucleatae Sinica
 Acta Agriculturae Shanghai
 Acta Agriculturae Universitatis Pekinensis
 Acta Agronómica, Universidad Nacional de Colombia
 Acta Biochimica et Biophysica Sinica
 Acta Biologiae Experimentalis Sinica
 Acta Biologica Hungarica
 Acta Botanica Indica
 Acta Botanica Neerlandica
 Acta Botanica Sinica
 Acta Dendrobiologica
 Acta Entomologica Bohemoslovaca
 Acta Entomologica Lituanica
 Acta Entomologica Sinica
 Acta Facultatis Rerum Naturalium Universitatis Comenianae, Zoologia
 Acta Genetica Sinica
 Acta Horticulturae
 Acta Horticulturae Sinica
 Acta Hydrochimica et Hydrobiologica
 Acta Medica Okayama
 Acta Microbiologica Bulgarica
 Acta Microbiologica Sinica
 Acta Mycologia Sinica
 Acta Oecologica
 Acta Oecologica, Oecologia Applicata
 Acta Oecologica, Oecologia Generalis
 Acta Phytopathologica et Entomologica Hungarica
 Acta Phytopathologica et Entomologica Hungarica
 Acta Phytophylactica Sinica
 Acta Protozoologica
 Acta Průhoniana
 Acta Sericologica Sinica
 Acta Societatis Botanicorum Poloniae
 Acta Societatis Zoologicae Bohemoslovacae
 Acta Universitatis Agriculturae, Facultas Silviculturae
 Acta Veterinaria Hungarica
 Acta Zoologica
 Acta Zoologica Bulgarica
 Acta Zoologica Hungarica
 Acta Zoologica Sinica
 Acta Zootaxonomica Sinica
 Actae Agriculturae Shanghai
 Actes de l'Institut Agronomique et Vétérinaire Hassan II
 Actes et Communications - Économie et Sociologie Rurales, Institut National de la Recherche Agronomique
 Advances in Agronomy
 Advances in Cell Culture
 Advances in Disease Vector Research
 Advances in Ecological Research
 Advances in Plant Sciences
 Adverse Drug Reactions and Acute Poisoning Reviews
 African Environment
 African Journal of Agricultural Sciences
 African Journal of Ecology
 African Journal of Zoology
 AgBiotech News and Information
 Agrarrecht
 Agrárvilág
 Agrarwissenschaften Beiträge (Berlin)
 Agri Science
 Agribusiness (New York)
 Agricoltura Ricerca
 Agricultura (Madrid)
 Agricultura Técnica
 Agricultura Técnica (Santiago)
 Agricultural and Biological Chemistry
 Agricultural and Forest Meteorology
 Agricultural Economics
 Agricultural Economics Research Report, University of Kentucky
 Agricultural Handbook (Washington)
 Agricultural History
 Agricultural Research (Washington)
 Agricultural Research Review
 Agricultural Resources Situation and Outlook Report
 Agricultural Reviews (Karnal)
 Agricultural Science
 Agricultural Science Digest (Karnal)
 Agricultural Systems
 Agriculture and Horticulture
 Agriculture and Human Values
 Agriculture Handbook (Singapore)
 Agriculture Information Bulletin - United States Department of Agriculture
 Agriculture, Ecosystems & Environment
 Agro-Ciencia
 Agrochémia
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 Agroforestry Today
 Agrokhimiya
 Agronomie
 Agronomy Journal
 Agrotecnia de Cuba
 Alafua Agricultural Bulletin
 Alexandria Journal of Agricultural Research
 Allergologie
 Allgemeine Forstzeitschrift
 Alma Mater Studiorum
 Alon Hanotea
 Amazoniana
 Ambio
 American Bee Journal
 American Fruit Grower
 American Journal of Agricultural Economics
 American Journal of Alternative Agriculture
 American Journal of Botany
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 American Journal of Industrial Medicine
 American Journal of Physiology
 American Journal of Public Health
 American Midland Naturalist
 American Naturalist
 American Nurseryman
 American Potato Journal
 American Zoologist
 Anais da Escola Superior de Agricultura 'Luiz de Queiroz'
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 Analele Institutului de Cercetări pentru Cereale și Plante Tehnice, Fundulea
 Analele Institutului de Cercetări pentru Protecția Plantelor
 Anales de Biología
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 Analyst
 Analytica Chimica Acta
 Analytical Biochemistry
 Analytical Chemistry (Washington)
 Analytical Letters
 Analytical Methods for Pesticides and Plant Growth Regulators
 Anatomischer Anzeiger
 Animal Behaviour

- Animal Feed Science and Technology
 Annales Agriculturae Fenniae
 Annales de Gembloux
 Annales de l'Association Nationale pour la Protection des Plantes
 Annales de la Société Entomologique de France
 Annales de Parasitologie Humaine et Comparée
 Annales Entomologici Fennici
 Annales Société Royale Zoologique de Belgique
 Annales Universitatis Mariae Curie-Skłodowska, Sectio DD, Medicina Veterinaria
 Annali dell'Istituto Sperimentale per il Tabacco
 Annali dell'Istituto Sperimentale per la Floricoltura
 Annali dell'Istituto Sperimentale per la Patologia Vegetale
 Annali della Facoltà di Agraria, Università Cattolica del Sacro Cuore Milano
 Annali della Facoltà di Scienze Agrarie della Università degli Studi di Torino
 Annals of Agricultural Research
 Annals of Agricultural Science (Cairo)
 Annals of Applied Biology
 Annals of Biology (Ludhiana)
 Annals of Botany
 Annals of Entomology
 Annals of the Entomological Society of America
 Annals of the New York Academy of Sciences
 Annals of the Phytopathological Society of Japan
 Annals of Warsaw Agricultural University SGGW-AR, Forestry and Wood Technology
 Année Biologique
 Annotationes Zoologicae et Botanicae
 Annual Report - Bureau of Sugar Experiment Stations, BSES, Queensland
 Annual Report - Kanto Forest Tree Breeding Institute
 Annual Report - Prairie Farm Rehabilitation Administration
 Annual Report of the Society of Plant Protection of North Japan
 Annual Review of Ecology and Systematics
 Annual Review of Genetics
 Annual Review of Neuroscience
 Antarctic Science
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 Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
 Ape Nostra Amica
 Apiacta
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 Apidologie
 Applied Agricultural Research
 Applied and Environmental Microbiology
 Applied Engineering in Agriculture
 Applied Entomology and Zoology
 Applied Microbiology and Biotechnology
 Aquatic Botany
 AQUIS Bulletin
 Arab Gulf Journal of Scientific Research
 Arab Journal of Plant Protection
 Aracnologia
 Arbeitsmedizin Sozialmedizin Präventivmedizin
 Arboriculture Fruitière
 Archiv für Phytopathologie und Pflanzenschutz
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 Archives of Biochemistry and Biophysics
 Archives of Environmental Contamination and Toxicology
 Archives of Environmental Health
 Archives of Insect Biochemistry and Physiology
 Archives of Toxicology
 Archives of Virology
 Arid Soil Research and Rehabilitation
 Arkansas Farm Research
 Arquivos da Universidade Federal Rural do Rio de Janeiro
 Arquivos de Biologia e Tecnologia
 Arquivos do Instituto Biológico (São Paulo)
 Asparagus Research Newsletter
 Aspects of Applied Biology
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 BCPC Monograph
 Bee World
 Behavior Genetics
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 Beiträge für die Forstwirtschaft
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 Beiträge zur Entomologie
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 Bharatiya Sugar
 Bhartiya Krishi Anusandhana Patrika
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 Biene
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 Bio/Technology
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 Biochemical Journal (London)
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 Biochemical Systematics and Ecology
 Biochemistry and Cell Biology
 Biochemistry International
 Biochimica et Biophysica Acta, Biomembranes
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 Biochimica et Biophysica Acta, General Subjects
 Biochimica et Biophysica Acta, Lipids and Lipid Metabolism
 Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology
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 Biodeterioration Abstracts
 BioEssays
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 Biology Bulletin of the Academy of Sciences of the USSR
 Biology of Behaviour
 Biology of the Cell
 Biomathematics
 Biomedical and Environmental Sciences
 Biomedical Chromatography
 Biona Report
 Bioorganicheskaya Khimiya
 BioScience
 Biotech Forum Europe
 Biotechnology and Applied Biochemistry
 Biotechnology and Bioengineering
 Biotechnology Letters
 Biotehnologiya
 BIOTROP Special Publication
 Biotropia
 Biotropica
 Bishop Museum Bulletin in Entomology
 Bishop Museum Occasional Papers
 Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
 Biuletyn Instytutu Ziemiaki
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 Boletim da Sociedade Portuguesa de Entomologia
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 Boletim Técnico - Copersucar
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 Boletín de la Estación Central de Ecología
 Boletín de la Oficina Sanitaria Panamericana
 Boletín de Sanidad Vegetal, Fuera de Serie
 Boletín de Sanidad Vegetal, Plagas
 Boletín INICA
 Bollettino del Laboratorio di Entomologia Agraria 'Filippo Silvestri'
 Bollettino dell'Istituto di Entomologia "Guido Grandi" della Università degli Studi di Bologna
 Bollettino della Società Entomologica Italiana

Bollettino di Zoologia
Bollettino di Zoologia Agraria e di Bachicoltura
Bollettino Malacologico
Bosque
BPP, Buletinul de Protecția Plantelor
Bragantia
Brain Research
Brasil Açucareiro
Brazilian Journal of Medical and Biological Research
Brenesia
British Journal of Entomology and Natural History
British Journal of Industrial Medicine
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British Veterinary Journal
Buletin Penelitian Hortikultura
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Buletin Perkebunan
Bulletin & Annales de la Société Royale Belge d'Entomologie
Bulletin - Agricultural Experiment Stations, University of Florida
Bulletin - Connecticut Agricultural Experiment Station
Bulletin - Entomological Society of Canada
Bulletin - Overseas Development Natural Resources Institute
Bulletin - United Planters' Association of Southern India
Bulletin d'Écologie
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Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Entomologie
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Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Agricultural Chemicals Inspection Station, Tokyo
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Bulletin of the Entomological Society of America
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Cactus and Succulent Journal
Café, Cacao, Thé
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California Fish and Game
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Canadian Journal of Plant Science
Canadian Journal of Soil Science
Canadian Journal of Zoology
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Carcinogenesis
CARD Working Paper
Carta Trimestral - Centro de Investigación de la Caña de Azúcar de Colombia
Caryologia
CAS Paper
Catena
Ceiba
Cell and Tissue Research
Cell Biology and Toxicology
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Cell Differentiation and Development
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Central African Journal of Medicine
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Ciência e Cultura (São Paulo)
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Ciencia y Técnica en la Agricultura, Café y Cacao
Ciencia y Técnica en la Agricultura, Viandas Tropicales
Ciencias de la Agricultura
Circular - Instituto Agronômico do Paraná
Circular Técnica - Centro Nacional de Pesquisa de Florestas
Citograph
Citrus & Vegetable Magazine
Citrus Journal
Clay Research
Climatic Change
Cocos
Colección Medio Rural, Serie Agricultura
Coleopterists Bulletin
Columbia Journal of Environmental Law
Commonwealth Forestry Review
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Comparative Biochemistry and Physiology. B, Comparative Biochemistry
Comparative Biochemistry and Physiology. C, Comparative Pharmacology and Toxicology
Comparative Physiology and Ecology
Compte Rendu des Essais - Union Nationale Interprofessionnelle des Légumes Transformés
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Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Comptes Rendus des Séances de la Société de Biologie et de ses Filiales
Computers and Electronics in Agriculture
Comunicado Técnico - Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro
Comunicado Técnico - Unidade de Execução de Pesquisa de Âmbito Territorial de Porto Velho
CONIF Informa
Conservation Biology
Contact Dermatitis
Contribuții Botanice
Contributions from Shanghai Institute of Entomology
Cooperative Sugar
Coton et Fibres Tropicales
Cotton Development
Critical Reviews in Plant Sciences
Crop Genetic Resources
Crop Protection

- Crop Research (Hisar)
 Crop Science
 Crops State of the Art and Abstract Bibliography Series
 Cryo-letters
 Cryobiology
 Cuban Journal of Agricultural Science
 Cultivar (Paris)
 Current Nematology
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 Current Science
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 Debreceni Agrártudományi Egyetem Tudományos Közleményei
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 Deutsche Baumschule
 Deutscher Gartenbau
 Development (Cambridge)
 Development Southern Africa
 Developmental and Comparative Immunology
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 Developments in Industrial Microbiology
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 Dissertation Abstracts International. A, Humanities and Social Sciences
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 DLG-Mitteilungen
 Documentos - Centro de Pesquisa Agropecuária do Trópico Semi-Árido, EMBRAPA
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 Documentos, Unidade de Execução de Pesquisa de Âmbito Estadual de Dourados, EMBRAPA, Brazil
 Doga, Türk Biyoloji Dergisi
 Doga, Türk Zooloji Dergisi
 Doklady Akademii Nauk BSSR
 Doklady Akademii Nauk Ukrainy SSR. Seriya B
 Doklady Akademii Nauk Uzbekskoi SSR. Seriya B, Geologicheskie, Khimicheskie, i Biologicheskie Nauki
 Doklady Vsesoyuznoi Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaistvennykh Nauk im. V.I. Lenina
 Doklady, Biochemistry
 Doklady, Biological Sciences
 Drug and Chemical Toxicology
 Drug Metabolism Reviews
 DSIR Entomology Division Report
 East African Agricultural and Forestry Journal
 East African Medical Journal
 Ecological Entomology
 Ecological Modelling
 Ecological Research
 Ecologist
 Ecology
 Economia Montana - Linea Ecologica
 Economic Botany
 Economische Documentatie - Koninklijk Museum voor Midden-Afrika Tervuren
 Ecosystema
 Ecotoxicology and Environmental Safety
 Eesti Teaduste Akadeemia Toimetised, Bioloogia
 Egyptian Journal of Dairy Science
 Egyptian Journal of Food Science
 Egyptian Journal of Pharmaceutical Sciences
 Eisei Kagaku = Japanese Journal of Toxicology and Environmental Health
 Ekologia Polska
 Ekológia, ČSSR
 Elytron
 EMBO Journal
 Endeavour (English ed)
 Entomofauna
 Entomologia Experimentalis et Applicata
 Entomologia Generalis
 Entomologica
 Entomologica Scandinavica
 Entomological News
 Entomologische Berichten
 Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg
 Entomologische Nachrichten und Berichte
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 Entomologist's Gazette
 Entomologist's Monthly Magazine
 Entomology Circular (Gainesville)
 Entomology Memoir - Republic of South Africa, Department of Agricultural Development
 Entomon
 Entomonograph
 Entomophaga
 Entomotaxonomia
 Environment and Ecology
 Environment International
 Environmental and Experimental Biology
 Environmental Conservation
 Environmental Entomology
 Environmental Geochemistry and Health
 Environmental Health Criteria
 Environmental Monitoring and Assessment
 Environmental Pollution
 Environmental Pollution and Control
 Environmental Research (New York)
 Environmental Science & Technology
 Environmental Toxicology and Chemistry
 Eos (Madrid)
 EPPO Publications, C
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 Erwerbsobstbau
 Ethiopian Journal of Agricultural Sciences
 Ethology
 Euphytica
 EUR Report
 Euro Abstracts, Section I
 European Journal of Biochemistry
 European Journal of Cell Biology
 European Journal of Forest Pathology
 European Journal of Neuroscience
 European Journal of Protistology
 European Patent
 Evolución Biológica
 Evolution
 Evolutionary Ecology
 Evolutionary Trends in Plants
 Experientia
 Experimental & Applied Acarology
 Experimental Agriculture
 Experimental Cell Research
 Experimental Mycology
 Experimental Parasitology
 Experiments of Agriculture and Forestry Science
 Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
 Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
 Fabriques
 FAO Plant Protection Bulletin
 Farm Chemicals
 Farm Chemicals International
 Farm Science Journal
 FAT-Berichte, Switzerland
 Fauna Entomologica Scandinavica
 Fauna Norvegica. Serie B, Norwegian Journal of Entomology
 Fauna of New Zealand
 Fauna of Saudi Arabia
 Fauna Polski
 FEBS Letters
 FEMS Microbiology Ecology
 FEMS Microbiology Letters
 FFTC Book Series, Taiwan
 FFTC/ASPAC Book Series, Food and Fertilizer Technology Center for the Asian and Pacific Region, Taiwan
 Field Crops Research
 Fitopatologia Venezolana
 Fitoterapia
 Florida Entomologist
 Flower and Nursery Report
 Focus on Nature Conservation
 Folia Biologica (Warszawa)
 Folia Entomologica Hungarica
 Folia Entomologica Mexicana
 Folia Forestalia
 Folia Venatoria
 Food Additives and Contaminants
 Food Systems Research Series, International Potato Center
 Forensic Science International
 Forest Ecology and Management
 Forest Insects and Disease Conditions in Canada
 Forest Management Note, Northern Forestry Centre, Canada
 Forest Pest and Disease
 Forest Protection Series, Forestry Commission of New South Wales
 Forest Research
 Forest Science
 Forest Science and Technology
 Forestry Chronicle
 Forestry Commission Bulletin

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Forêt Conservation
Forêt Méditerranéenne
Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft (MEG)
Forst und Holz
Fortschrittsberichte für die Landwirtschaft und Nahrungsgüterwirtschaft
Fragmenta Entomologica
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Fremontia
Fresenius' Zeitschrift für Analytische Chemie
FRI Bulletin
Fruit Belge
Fruit Science Reports
Fruit Varieties Journal
Fruits (Paris)
Fruittelst (Den Haag)
Frustula Entomologica
Fujian Agricultural Science and Technology
Functional Ecology
Fundamental and Applied Toxicology
Garcia de Orta. Série de Zoologia
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Gartner Tidende
Gartneryrket
Gazette Médicale
Gb + Gw, Gärtnerbörse und Gartenwelt
Gemüse (München)
Gene
General and Comparative Endocrinology
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Genetica Polonica
Genetical Research
Genetics
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Genome
Geo-Eco-Trop
Geoderma
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Gesunde Pflanzen
Gewasbescherming
Gigiena i Sanitariya
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Giornata di Studio sul Lisanthus
Grøn Viden, Havebrug
Grøn Viden, Landbrug
Graellsia
Grass and Forage Science
Grassland of China
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Gula Indonesia
Gunma Journal of Agricultural Research, A, General
Guoli Taiwan Daxue Nongxue Yuan Yanjiu Baogao
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Harvest
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HRC, Journal of High Resolution Chromatography
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Hydrobiologia
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IMPACT AgBioBusiness
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Informatore Agrario
Informatore Fitopatologico
Informe Agropecuario (Belo Horizonte)
Informe da Pesquisa - Instituto Agronômico do Paraná
Informe Técnico - Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro
Infos (Paris)
Inligtingsbulletin - Navorsingsinstituut vir Sitrus en Subtropiese Vrugte
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Insect Pest Survey - Department of Agriculture, Tasmania
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International Archives of Occupational and Environmental Health
International Chickpea Newsletter
International Immunology

- International Industrial Biotechnology
 International Journal for Parasitology
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 International Journal of Biological Macromolecules
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 International Rice Research Newsletter
 International Standard
 Internationale Zeitschrift der Landwirtschaft
 INTSORMIL Publication
 Invertebrate Reproduction and Development
 Invertebrate Taxonomy
 Investigación Agraria, Producción y Protección Vegetales
 IPEF, Instituto de Pesquisas e Estudos Florestais
 IPM Practitioner
 Iranian Journal of Plant Pathology
 Iranian Journal of Public Health
 Irish Naturalists' Journal
 IRRRI Research Paper Series
 Isotope and Radiation Research
 Israel Journal of Botany
 Israel Journal of Zoology
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 Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR. Seriya Biologicheskikh Nauk
 Izvestiya Vysshikh Uchebnykh Zavedenii, Lesnoi Zhurnal
 JAMA, Journal of the American Medical Association
 Japan Pesticide Information
 Japanese Journal of Applied Entomology and Zoology
 Japanese Journal of Breeding
 Japanese Journal of Entomology
 Japanese Journal of Nematology
 Japanese Journal of Tropical Agriculture
 Járnyék, Mezőgazdasági Gépek
 JARQ, Japan Agricultural Research Quarterly
 JAST Journal (Jamaican Association of Sugar Technologists)
 Jiangsu Journal of Agricultural Sciences
 Jiangsu Nongye Kexue
 Journal - American Society of Sugar Cane Technologists
 Journal - Association of Official Analytical Chemists
 Journal - Water Pollution Control Federation
 Journal of Advanced Zoology
 Journal of Agricultural and Food Chemistry
 Journal of Agricultural Economics Research
 Journal of Agricultural Engineering Research
 Journal of Agricultural Entomology
 Journal of Agricultural Research of China
 Journal of Agricultural Science
 Journal of Agricultural Science in Finland
 Journal of Agricultural Science, Tokyo Nogyo Daigaku
 Journal of Agriculture and Forestry
 Journal of Agriculture of the University of Puerto Rico
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 Journal of Applied Ichthyology
 Journal of Applied Toxicology
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 Journal of Bacteriology
 Journal of Bamboo Research
 Journal of Basic Microbiology
 Journal of Beijing Forestry University
 Journal of Bengal Natural History Society
 Journal of Biochemical Toxicology
 Journal of Biochemistry (Tokyo)
 Journal of Biogeography
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 Journal of Extension Systems
 Journal of Financial Management and Analysis
 Journal of Food Processing and Preservation
 Journal of Food Protection
 Journal of Food Science
 Journal of Food Science and Technology (Mysore)
 Journal of Forestry
 Journal of Fujian Agricultural College
 Journal of General and Applied Microbiology
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 Journal of General Physiology
 Journal of General Virology
 Journal of Genetics & Breeding
 Journal of Great Lakes Research
 Journal of Heredity
 Journal of High Resolution Chromatography
 Journal of Horticultural Science
 Journal of Hydrology (Amsterdam)
 Journal of Ichthyology
 Journal of Industrial Microbiology
 Journal of Insect Behavior
 Journal of Insect Physiology
 Journal of Insect Science
 Journal of Invertebrate Pathology
 Journal of Irrigation and Drainage Engineering
 Journal of King Saud University, Agricultural Sciences
 Journal of Korean Forestry Society
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 Journal of Liquid Chromatography
 Journal of Maharashtra Agricultural Universities
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 Journal of Microbiological Methods
 Journal of Microscopy
 Journal of Molecular Biology
 Journal of Molecular Evolution
 Journal of Molluscan Studies
 Journal of Morphology
 Journal of Mycopathological Research
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 Journal of Nanjing Forestry University
 Journal of Natural History
 Journal of Natural Products

Journal of Nematology
Journal of Neurobiology
Journal of Neurochemistry
Journal of Neurocytology
Journal of Neurology, Neurosurgery, and Psychiatry
Journal of Neuroscience
Journal of Northeast Forestry University
Journal of Nuclear Agriculture and Biology
Journal of Occupational Medicine
Journal of Oilseeds Research
Journal of Oman Studies
Journal of Organic Chemistry
Journal of Parasitology
Journal of Pesticide Reform
Journal of Pesticide Science
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Journal of Plantation Crops
Journal of Potassium Research
Journal of Production Agriculture
Journal of Protein Chemistry
Journal of Protozoology
Journal of Range Management
Journal of Research - Assam Agricultural University
Journal of Research APAU
Journal of Research on the Lepidoptera
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Journal of Research, Punjab Agricultural University
Journal of Root Crops
Journal of Soil and Water Conservation
Journal of South China Agricultural University
Journal of Stored Products Research
Journal of the Agricultural Society - University College of Wales
Journal of the American Chemical Society
Journal of the American Mosquito Control Association
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Australian Entomological Society
Journal of the Bombay Natural History Society
Journal of the Chinese Agricultural Chemical Society
Journal of the Egyptian Society of Parasitology
Journal of the Entomological Society of British Columbia
Journal of the Entomological Society of Southern Africa
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Journal of the Faculty of Agriculture, Kyushu University
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Journal of the Florida Anti-Mosquito Association
Journal of the Food Hygienic Society of Japan
Journal of the Forensic Science Society
Journal of the Helminthological Society of Washington
Journal of the Indian Society of Soil Science
Journal of the Institute of Agriculture and Animal Science, Nepal
Journal of the Institution of Water and Environmental Management
Journal of the Iowa Academy of Science
Journal of the Jamaican Association of Sugar Technologists
Journal of the Japanese Forestry Society
Journal of the Kansas Entomological Society
Journal of the Korean Agricultural Chemical Society
Journal of the Lepidopterists' Society
Journal of the Mississippi Academy of Sciences
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Journal of the Oil Technologists' Association of India
Journal of the Pakistan Medical Association
Journal of the Royal Agricultural Society of England
Journal of the Science of Food and Agriculture
Journal of the Society of Occupational Medicine
Journal of the South China Agricultural University
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Journal of Theoretical Biology
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Journal of Virological Methods
Journal of Virology
Journal of Water Resources Planning and Management
Journal of Wildlife Diseases
Journal of Zhejiang Forestry Science and Technology
Journal of Zoology
Jurnal Penelitian dan Pengembangan Kehutanan
Jute Development Journal
Kaen Kaset = Khon Kaen Agriculture Journal
Kansai Byochugai Kenkyukaiho
Karnataka Journal of Agricultural Sciences
Kartoffelbau
Kartoplyarstvo
Kenya Coffee
Khlopok
Kieler Milchwirtschaftliche Forschungsberichte
Kitasato Archives of Experimental Medicine
Klucze do Oznaczenia Owadów Polski
Kontyū
Korean Journal of Apiculture
Korean Journal of Applied Entomology
Korean Journal of Entomology
KTBL-Arbeitspapier
Kulturpflanze
Laboratory News (Crawley)
Laboratory Practice
Lake and Reservoir Management
Lal-Baugh
Landwirtschaft Schweiz
Las Polski
Lavoura Arrozeira
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Lesnícky Časopis
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Leucaena Research Reports
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Listy Cukrovarnické
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Lozarstvo i Vinarstvo
Lucrările Institutului de Cercetări Veterinare și Biopreparate
'Pasteur'
Madras Agricultural Journal
Magyar Állatorvosok Lapja
Maize Genetics Cooperation News Letter
Malacologia
Malacological Review
Malayan Nature Journal
Malaysian Forester
Malezas
Mammal Review
Manejo Integrado de Plagas
MAPPS Newsletter
MARDI Research Journal
Marine Environmental Research
Marine Pollution Bulletin
Material und Organismen
Maydica
Mecanizarea Agriculturii
Mechanizace Zemědělství
Meddelelser om Grønland, Bioscience
Mededelingen van de Faculteit Landbouwwetenschappen, Rijk-
suniversiteit Gent
Medical and Veterinary Entomology
Medical Journal of Australia
Medical Science Research
Medicina Veterinaria
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Medycyna Weterynaryjna
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Memoirs of the College of Agriculture, National Taiwan University
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Memoirs of the Faculty of Agriculture of Kinki University
Memoirs of the Faculty of Agriculture, Hokkaido University
Memorabilia Zoologica
Memorie della Società Entomologica Italiana
Mesopotamia Journal of Agriculture
Methods in Molecular Biology
Metodiky pro Závědění Výsledků Výzkumu do Zemědělské Praxe
Mezőgazdasági Technika
Microbial Ecology
Microbiological Reviews
Microbiology (Beijing)
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Mikrobiologiya
Minnesota State Florists Bulletin
Miscellaneous Publication - Western Australian Department of
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tre, Forestry Canada

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 Mitteilungen der Entomologischen Gesellschaft Basel
 Mitteilungen der Schweizerischen Entomologischen Gesellschaft
 Mitteilungen Klosterneuburg, Rebe und Wein, Obstbau und Früchteverwertung
 Mokuzai Gakkaishi = Journal of the Japan Wood Research Society
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 Molecular and General Genetics
 Molecular Biology (New York)
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 Monografía - Instituto Superior de Ciencias Agropecuarias de La Habana, 'Fructuoso Rodríguez Pérez'
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 Monograph - British Society for Plant Growth Regulation
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 Nucleus (Karachi)
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 OARDC Special Circular - Ohio Agricultural Research and Development Center
 Obstbau (Bonn)
 Occasional Paper - Forestry Commission
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 Paper - American Society of Agricultural Engineers
 Parasitica
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 Parasitology Today
 Pastos y Forrajes
 PCARRD Monitor
 PE&RS, Photogrammetric Engineering & Remote Sensing
 Peanut Science
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 Phytoparasitica
 Phytopathologia Mediterranea
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 Phytophaga
 Phytophylactica
 Phytoprotection
 Phytotherapy Research
 Piacenza Economica
 PKV Research Journal
 Plant and Soil
 Plant Breeding
 Plant Breeding Reviews
 Plant Cell
 Plant Cell Reports
 Plant Disease
 Plant Health Information Sheet, Forestry Commission
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 Plant Physiology
 Plant Protection
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 Planta Medica
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 Plasmid
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 Pleurothallid Alliance News
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 Polish Ecological Studies
 Polymer Science and Technology
 Polymers, Paint and Colour Journal
 Pomme de Terre Française
 PORIM Bulletin
 Postharvest News and Information
 Poultry Science
 Power Farming, UK
 Prace Instytutu Sadownictwa i Kwiaciarnictwa w Skierniewicach.
 Seria B, Rośliny Ozdobne
 Prace Naukowe Instytutu Ochrony Roślin
 Prairie Naturalist
 Presseinformationen - Ministerium für Land-, Forst-, und Nahrungs-
 güterwirtschaft, Berlin
 Principes
 Přírodovědné Práce Ústavů Československé Akademie Věd v Brně
 Probleme de Protecția Plantelor
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 Problems of Desert Development
 Proceedings - American Peanut Research and Education Society
 Proceedings - Annual Meeting, Massachusetts Fruit Growers' Asso-
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 Proceedings - Soil and Crop Science Society of Florida
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 Proceedings - West Indies Sugar Technologists' Conference
 Proceedings of the Annual Congress - South African Sugar Technol-
 ogists' Association
 Proceedings of the Annual Eastern Canada Workshop on Pesticide
 Residues and Environmental Contaminants
 Proceedings of the Arkansas Academy of Science
 Proceedings of the Association for Plant Protection of Kyushu
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 Proceedings of the Indian National Science Academy. Part B, Bio-
 logical Sciences
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 Programa de Pesquisa - Organização das Cooperativas do Estado do
 Paraná
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 Progressive Farming
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 PSP Pflanzenschutz Praxis
 Psyche (Cambridge, Mass)
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 Public Health Reports
 Publicación Miscelánea - Estación Experimental Agro-Industrial
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 Publication - Institut des Sciences Agronomiques du Burundi
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 Punjab Horticultural Journal
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 Quarterly Newsletter - Asia and Pacific Plant Protection
 Commission
 Quarterly Newsletter - Tea Research Foundation of Central Africa
 Quarterly Review of Biology
 Queensland Agricultural Journal
 RACHIS
 Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
 Rangelands
 RAPA Publication
 Rapport - Sveriges Lantbruksuniversitet, Institutionen för Ekonomi
 Rasteniye'dni Nauki
 Rasteniye'dni Nauki
 Recherche (Paris)
 Recueil de Médecine Vétérinaire
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 Remote Sensing of Environment
 Report - Cucurbit Genetics Cooperative
 Report - Northern Region, USDA Forest Service
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 Reports from the Kevo Subarctic Research Station
 Research and Development Reporter
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 Research in Veterinary Science
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 SHILAP, Sociedad Hispano-Luso-Americano de Lepidopterología
 Sibirskii Vestnik Sel'skokhozyaystvennoi Nauki
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 SISSTA Sugar Journal
 SLZ, Schweizerische Laboratoriums-Zeitschrift
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- Crop Production
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International Institute of Entomology (IIE),
Director, Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

International Mycological Institute (IMI),
Director, Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

International Institute of Parasitology (IIP),
Director, Dr R. Muller, located at Winches Farm, St Alban's field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in fields of expertise.

International Institute of Biological Control (IIBC),
Director, Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science, Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia; provides biocontrol services, conducts training, and participates in integrated pest management programmes.

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The staff of 25 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the ABSTRACTS database and associated functions, accessions control, subscription management and electronic publishing.

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